

ASCE

SAN DIEGO SECTION



2/27/18

LIFE SAFETY IN THE CITY

THERE'S MORE TO LIFE THAN NOT BEING CRUSHED

The Resilience by Design program adopted by Los Angeles to address earthquake vulnerabilities brought together the earth science, earthquake engineering and public policy professions and worked with hundreds of community organizations to get approval for sweeping seismic resilience legislation. Since their inception, building codes have been based on a principle that safety is the only valid concern of government. If an owner chooses to build a building that is a total financial loss, that is his prerogative but he cannot kill someone in the process. A key factor is that building codes consider buildings in isolation with impacts only on their owners and tenants. But the reality of a major earthquake is that the failure of a building impacts the whole community through economic disruption, population decreases, and cascading failures of engineered and social systems. This talk will explore a conceptual framework for creating a building code that reflects the realities of earthquake losses and the social dynamics of shared economic decisions.

HANDLERY HOTEL

950 Hotel Circle North

San Diego, CA 92108

1130am-1pm

SPEAKER:

LUCY JONES, USGS Retired



Dr. Lucy Jones is the founder and chief scientist of the Dr. Lucy Jones Center for Science and Society. With a Bachelor of Arts in Chinese Language and Literature from Brown University and a Ph.D. in Geophysics from MIT, Dr. Jones has been active in earthquake research for decades, including 33 years of federal service with the US Geological Survey. Her work at the USGS included leading the creation of a national science strategy for natural hazards research, creating the first American major earthquake drill, the Great ShakeOut, that has expanded to now encompass 43 million participants around the world in 2015 and writing over 100 published papers on statistical seismology and integrated disaster scenarios.

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